Mecadez Core Technologies Private Limited

Project Management Consultancy Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR**

Contractor **M/s SMLP Asphalts, Prop. Sri B B Umesha,**

Sl. No	Particulars of the Tests	M20 Concrete For Drain Wall			
		Quantity Cum	Frequency of Tests	Tests Required	Tests Carried Out
IV	Concrete				
1	Compressive strength test	205.77	1 to 5cum=1 sample 6 to 15 cum=2 sample 16 to 30cum=3 smaple 31 to 50cum= 4 sample 51cum and above= one additonal sample for every additional 50 cum or part therof	8	8
	7-days				
	28-days				

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

Mecadez Core Technologies Private Limited MECADEZ

Consultant

contractor

ASSISTANT ENGINEER

ASSISTANT EXE

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	23-Nov-2022
Tested Date	30-Nov-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.12	150*150*150	2405.93	330.00	0.0225	14.67	14.58	14.46
2	20	7	8.19	150*150*150	2426.67	328.00	0.0225	14.58		
3	20	7	8.24	150*150*150	2441.48	326.00	0.0225	14.49		
4	20	7	8.31	150*150*150	2462.22	327.00	0.0225	14.53	14.34	
5	20	7	8.20	150*150*150	2429.63	321.00	0.0225	14.27		
6	20	7	8.11	150*150*150	2402.96	320.00	0.0225	14.22		

Results: 7-days Compressive strength of Concrete is 14.46 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

AE-09

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Executive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/KR/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	23-Nov-2022
Tested Date	30-Nov-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.09	150*150*150	2397.04	334.00	0.0225	14.84	14.53	14.50
2	20	7	8.15	150*150*150	2414.81	326.00	0.0225	14.49		
3	20	7	8.14	150*150*150	2411.85	321.00	0.0225	14.27		
4	20	7	8.25	150*150*150	2444.44	326.00	0.0225	14.49	14.47	
5	20	7	8.23	150*150*150	2438.52	328.00	0.0225	14.58		
6	20	7	8.17	150*150*150	2420.74	323.00	0.0225	14.36		

Results: 7-days Compressive strength of Concrete is 14.50 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

03/12/22

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	23-Nov-2022
Tested Date	30-Nov-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.18	150*150*150	2423.70	336.00	0.0225	14.93	14.62	14.59
2	20	7	8.24	150*150*150	2441.48	328.00	0.0225	14.58		
3	20	7	8.23	150*150*150	2438.52	323.00	0.0225	14.36		
4	20	7	8.34	150*150*150	2471.11	328.00	0.0225	14.58	14.56	
5	20	7	8.32	150*150*150	2465.19	330.00	0.0225	14.67		
6	20	7	8.26	150*150*150	2447.41	325.00	0.0225	14.44		

Results: 7-days Compressive strength of Concrete is 14.59 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	4
Casting Date	23-Nov-2022
Tested Date	30-Nov-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.28	150*150*150	2453.33	338.00	0.0225	15.02	14.71	14.68
2	20	7	8.34	150*150*150	2471.11	330.00	0.0225	14.67		
3	20	7	8.33	150*150*150	2468.15	325.00	0.0225	14.44		
4	20	7	8.44	150*150*150	2500.74	330.00	0.0225	14.67	14.65	
5	20	7	8.42	150*150*150	2494.81	332.00	0.0225	14.76		
6	20	7	8.36	150*150*150	2477.04	327.00	0.0225	14.53		

Results: 7-days Compressive strength of Concrete is 14.68 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

23/DEC-09

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/ /P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	5
Casting Date	1-Dec-2022
Tested Date	8-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.37	150*150*150	2480.00	340.00	0.0225	15.11		
2	20	7	8.43	150*150*150	2497.78	332.00	0.0225	14.76	14.84	
3	20	7	8.42	150*150*150	2494.81	327.00	0.0225	14.53		14.77
4	20	7	8.25	150*150*150	2444.44	332.00	0.0225	14.76		
5	20	7	8.31	150*150*150	2462.22	334.00	0.0225	14.84	14.74	
6	20	7	8.14	150*150*150	2411.85	329.00	0.0225	14.62		

Results: 7-days Compressive strength of Concrete is 14.77 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written appreval of this laboratory.

iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Mecadez Core Technologies Private Limited

Authorised Signature

8/12/22

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	6
Casting Date	1-Dec-2022
Tested Date	8-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	8.12	150*150*150	2405.93	342.00	0.0225	15.20	14.89	14.86
2	20	7	8.26	150*150*150	2447.41	334.00	0.0225	14.84		
3	20	7	8.11	150*150*150	2402.96	329.00	0.0225	14.62		
4	20	7	8.35	150*150*150	2474.07	334.00	0.0225	14.84	14.83	
5	20	7	8.23	150*150*150	2438.52	336.00	0.0225	14.93		
6	20	7	8.24	150*150*150	2441.48	331.00	0.0225	14.71		

Results: 7-days Compressive strength of Concrete is 14.86 N/mm2
Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Mecadez Core Technologies Private Limited MECADEZ

Authorised Signature

8/12/22

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	7
Casting Date	1-Dec-2022
Tested Date	8-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	8.21	150*150*150	2432.59	344.00	0.0225	15.29	14.98	14.95
2	20	7	8.35	150*150*150	2474.07	336.00	0.0225	14.93		
3	20	7	8.20	150*150*150	2429.63	331.00	0.0225	14.71		
4	20	7	8.07	150*150*150	2391.11	336.00	0.0225	14.93	14.92	
5	20	7	8.32	150*150*150	2465.19	338.00	0.0225	15.02		
6	20	7	8.33	150*150*150	2468.15	333.00	0.0225	14.80		

Results: 7-days Compressive strength of Concrete is 14.95 N/mm2
Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2
Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Mecadez Core Technologies Private Limited MECADEZ

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	8
Casting Date	1-Dec-2022
Tested Date	8-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	8.31	150*150*150	2462.22	346.00	0.0225	15.38	15.07	15.04
2	20	7	8.45	150*150*150	2503.70	338.00	0.0225	15.02		
3	20	7	8.30	150*150*150	2459.26	333.00	0.0225	14.80		
4	20	7	8.17	150*150*150	2420.74	338.00	0.0225	15.02	15.01	
5	20	7	8.42	150*150*150	2494.81	340.00	0.0225	15.11		
6	20	7	8.43	150*150*150	2497.78	335.00	0.0225	14.89		

Results: 7-days Compressive strength of Concrete is 15.04 N/mm2
Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Mecadez Core Technologies Private Limited MECADEZ

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	23-Nov-2022
Tested Date	21-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.49	150*150*150	2515.56	471.00	0.0225	20.93	20.73	20.65
2	20	28	8.57	150*150*150	2539.26	470.00	0.0225	20.89		
3	20	28	8.59	150*150*150	2545.19	458.00	0.0225	20.36		
4	20	28	8.46	150*150*150	2506.67	465.00	0.0225	20.67	20.58	
5	20	28	8.52	150*150*150	2524.44	452.00	0.0225	20.09		
6	20	28	8.57	150*150*150	2539.26	472.00	0.0225	20.98		

Results: 28-days Compressive strength of Concrete is 20.65 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	23-Nov-2022
Tested Date	21-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.49	150*150*150	2515.56	464.00	0.0225	20.62	20.79	20.75
2	20	28	8.51	150*150*150	2521.48	472.00	0.0225	20.98		
3	20	28	8.41	150*150*150	2491.85	467.00	0.0225	20.76		
4	20	28	8.62	150*150*150	2554.07	472.00	0.0225	20.98	20.71	
5	20	28	8.58	150*150*150	2542.22	455.00	0.0225	20.22		
6	20	28	8.47	150*150*150	2509.63	471.00	0.0225	20.93		

Results: 28-days Compressive strength of Concrete is 20.75 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	3
Casting Date	23-Nov-2022
Tested Date	21-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.58	150*150*150	2542.22	466.00	0.0225	20.71	20.87	20.84
2	20	28	8.60	150*150*150	2548.15	474.00	0.0225	21.07		
3	20	28	8.50	150*150*150	2518.52	469.00	0.0225	20.84		
4	20	28	8.71	150*150*150	2580.74	474.00	0.0225	21.07	20.80	
5	20	28	8.67	150*150*150	2568.89	457.00	0.0225	20.31		
6	20	28	8.56	150*150*150	2536.30	473.00	0.0225	21.02		

Results: 28-days Compressive strength of Concrete is 20.84 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	4
Casting Date	23-Nov-2022
Tested Date	21-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.68	150*150*150	2571.85	468.00	0.0225	20.80	20.96	20.93
2	20	28	8.70	150*150*150	2577.78	476.00	0.0225	21.16		
3	20	28	8.60	150*150*150	2548.15	471.00	0.0225	20.93		
4	20	28	8.81	150*150*150	2610.37	476.00	0.0225	21.16	20.89	
5	20	28	8.77	150*150*150	2598.52	459.00	0.0225	20.40		
6	20	28	8.66	150*150*150	2565.93	475.00	0.0225	21.11		

Results: 28-days Compressive strength of Concrete is 20.93 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signatory

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	5
Casting Date	1-Dec-2022
Tested Date	29-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	28	8.77	150*150*150	2598.52	470.00	0.0225	20.89	21.05	21.01
2	20	28	8.79	150*150*150	2604.44	478.00	0.0225	21.24		
3	20	28	8.69	150*150*150	2574.81	473.00	0.0225	21.02		
4	20	28	8.90	150*150*150	2637.04	478.00	0.0225	21.24	20.98	
5	20	28	8.86	150*150*150	2625.19	461.00	0.0225	20.49		
6	20	28	8.75	150*150*150	2592.59	477.00	0.0225	21.20		

Results: 28-days Compressive strength of Concrete is 21.01 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Core Technologies Private MECADEZ Marathahalli

Authorised Signature

28-12-22

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	6
Casting Date	1-Dec-2022
Tested Date	29-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.87	150*150*150	2628.15	472.00	0.0225	20.98	21.14	21.10
2	20	28	8.89	150*150*150	2634.07	480.00	0.0225	21.33		
3	20	28	8.79	150*150*150	2604.44	475.00	0.0225	21.11		
4	20	28	8.63	150*150*150	2557.04	480.00	0.0225	21.33	21.07	
5	20	28	8.52	150*150*150	2524.44	463.00	0.0225	20.58		
6	20	28	8.71	150*150*150	2580.74	479.00	0.0225	21.29		

Results: 28-days Compressive strength of Concrete is 21.10 N/mm2
Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Mecadez Core Technologies Private Limited

Authorised Signature

AE-09

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	7
Casting Date	1-Dec-2022
Tested Date	29-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.96	150*150*150	2654.81	474.00	0.0225	21.07	21.23	21.19
2	20	28	8.98	150*150*150	2660.74	482.00	0.0225	21.42		
3	20	28	8.88	150*150*150	2631.11	477.00	0.0225	21.20		
4	20	28	8.72	150*150*150	2583.70	482.00	0.0225	21.42	21.16	
5	20	28	8.61	150*150*150	2551.11	465.00	0.0225	20.67		
6	20	28	8.80	150*150*150	2607.41	481.00	0.0225	21.38		

Results: 28-days Compressive strength of Concrete is 21.19 N/mm2
Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2
Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P.3877/2022-23/QR
Mix Type	M20 Concrete For Drain Wall
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	8
Casting Date	1-Dec-2022
Tested Date	29-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	9.06	150*150*150	2684.44	476.00	0.0225	21.16	21.32	21.28
2	20	28	9.08	150*150*150	2690.37	484.00	0.0225	21.51		
3	20	28	8.98	150*150*150	2660.74	479.00	0.0225	21.29		
4	20	28	8.82	150*150*150	2613.33	484.00	0.0225	21.51	21.24	
5	20	28	8.71	150*150*150	2580.74	467.00	0.0225	20.76		
6	20	28	8.90	150*150*150	2637.04	483.00	0.0225	21.47		

Results: 28-days Compressive strength of Concrete is 21.28 N/mm2
Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Mecadez Core Technologies Private Limited

Project Management Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR**

Contractor **M/s SMLP Asphalts, Prop. Sri B B Umesha,**

Sl. No	Particulars of the Tests	100mm Thick Precast Slab Core Cut			
		Quantity Sqm	Frequency of Tests	Tests Required	Tests Carried Out
	Core Cutting				
1	Compressive strength test	671.55	One Test Per Source of supply	1	1

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

Mecadez Core Technologies

consultant

contractor

ASSISTANT ENGINEER

ASSISTANT EXE ENGINEER

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Executive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	100mm Thick Precast Slab Core Cut
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORTH, Rev. V.
Test Location	Laboratory
Sample No	1
Tested Date	29-Nov-2022

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (Kg/m³)	H/D	Correction Factor (Based on H/D)	Failure Load (KN)	Core Strength (N/mm²)	Correction Factor for the dia. (Strength of the Core X 0.87)	Corrected Cylinder Compressive Strength (N/mm²)	Equivalent Cube Compressive Strength (N/mm²)
1	96.00	96.00	1.21	1740.63	1	0.89	127.299	17.58	15.29	17.15	21.43
2	96.00	96.00	1.25	1798.17	1	0.89	122.74	16.95	14.75	16.53	20.66
3	96.00	96.00	1.23	1769.4	1	0.89	124.84	17.24	15.00	16.81	21.02

Results: Compressive strength of 100mm thick Precast Slab is 21.04 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

AE -09

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Mecadez Core Technologies Private Limited

Project Management Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR**

Contractor **M/s SMLP Asphalts, Prop. Sri B B Umesha,**

Sl. No	Particulars of the Tests	230mm Thick Precast Slab Core Cut			
		Quantity Sqm	Frequency of Tests	Tests Required	Tests Carried Out
	Core Cutting				
1	Compressive strength test	59.70	One Test Per Source of supply	1	1

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

Mecadez Core Technologies Pvt. Ltd. Bengaluru

contractor

ASSISTANT ENGINEER

ASSISTANT EXE ENGINEER

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC/P-3877/2022-23/QR
Mix Type	230mm Thick Precast Slab Core Cut
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Test Location	Laboratory
Sample No	1
Tested Date	29-Nov-2022

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (Kg/m³)	H/D	Correction Factor (Based on H/D)	Failure Load (KN)	Core Strength (N/mm²)	Correction Factor for the dia. (Strength of the Core X 0.87)	Corrected Cylinder Compressive Strength (N/mm²)	Equivalent Cube Compressive Strength (N/mm²)
1	96.00	96.00	1.25	1798.17	1.00	0.89	160.97	22.23	19.34	21.68	27.10
2	96.00	96.00	1.26	1812.56	1.00	0.89	156.63	21.63	18.82	21.10	26.37
3	96.00	96.00	1.34	1927.64	1.00	0.89	160.32	22.14	19.26	21.59	26.99

Results: Compressive strength of 230mm thick Precast Slab is 26.82 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Mecadez Core Technologies Private Limited

Project Management Consultancy Services

Summary of Frequencies of Field Tests and Lab Tests Conducted

Name of the work: **Package No.06 Consists of 14 Works**

Job No: **MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR**

Contractor **M/s SMLP Asphalts, Prop. Sri B B Umesha,**

Sl. No	Particulars of the Tests	M20 for ramp concrete			
		Quantity Cum	Frequency of Tests	Tests Required	Tests Carried Out
IV	**Concrete**				
1	Compressive strength test	10.80	1 to 5cum=1 sample 6 to 15 cum=2 sample 16 to 30cum=3 smaple 31 to 50cum= 4 sample 51cum and above= one additonal sample for every additional 50 cum or part therof	2	2
	7-days				
	28-days				

Note: Frequency of tests as per Specifications MORT&H, V Revision, Section 900.

Mecadez Core Technologies Pvt. Ltd. Consultant

contractor

ASSISTANT ENGINEER

ASSISTANT EXE ENGINEER

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 for ramp concrete
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	8-Dec-2022
Tested Date	15-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.23	150*150*150	2438.52	331.00	0.0225	14.71	14.56	14.54
2	20	7	8.17	150*150*150	2420.74	327.00	0.0225	14.53		
3	20	7	8.21	150*150*150	2432.59	325.00	0.0225	14.44		
4	20	7	8.30	150*150*150	2459.26	329.00	0.0225	14.62	14.52	
5	20	7	8.19	150*150*150	2426.67	330.00	0.0225	14.67		
6	20	7	8.10	150*150*150	2400.00	321.00	0.0225	14.27		

Results: 7-days Compressive strength of Concrete is 14.54 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Excecutive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 for ramp concrete
Contractor	M/s SMLP Asphalts, Prop. Sri B B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	2
Casting Date	8-Dec-2022
Tested Date	15-Dec-2022

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength (N/mm2)
1	20	7	8.08	150*150*150	2394.07	333.00	0.0225	14.80	14.59	14.54
2	20	7	8.14	150*150*150	2411.85	325.00	0.0225	14.44		
3	20	7	8.19	150*150*150	2426.67	327.00	0.0225	14.53		
4	20	7	8.24	150*150*150	2441.48	329.00	0.0225	14.62	14.49	
5	20	7	8.22	150*150*150	2435.56	327.00	0.0225	14.53		
6	20	7	8.16	150*150*150	2417.78	322.00	0.0225	14.31		

Results: 7-days Compressive strength of Concrete is 14.54 N/mm2

Comments: 7-days Compressive strength of M20 Concrete should not be less than 14 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Test Report
Concrete Compressive strength

Project Name	Package No.06 Consists of 14 Works
Client	Executive Engineer - Byatarayanapura Division
Job No	MCTPL/BBMP/EE/BTP/PMC//P-3877/2022-23/QR
Mix Type	M20 for ramp concrete
Contractor	M/s SMLP Asphalts, Prop. Sri H B Umesha,
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORTH, Rev. V.
Location	Laboratory
Material	Concrete
Sample No	1
Casting Date	8-Dec-2022
Tested Date	5-Jan-2023

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg Sample Strength	Avg Strength (N/mm2)
1	20	28	8.52	150*150*150	2524.44	473.00	0.0225	21.02	20.79	20.70
2	20	28	8.56	150*150*150	2536.30	471.00	0.0225	20.93		
3	20	28	8.63	150*150*150	2557.04	459.00	0.0225	20.40		
4	20	28	8.53	150*150*150	2527.41	469.00	0.0225	20.84	20.61	
5	20	28	8.58	150*150*150	2542.22	452.00	0.0225	20.09		
6	20	28	8.59	150*150*150	2545.19	470.00	0.0225	20.89		

Results: 28-days Compressive strength of Concrete is 20.70 N/mm2

Comments: 28-days Compressive strength of M20 Concrete should not be less than 20 N/mm2

Note:
i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorized Signature

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

8-12-22